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**yepp**  
Digital Audio Player

<http://www.samsungyepp.com>

mp3 Player

**yepp**

- MP3 music file playback
- 3D sound effect
- 8-mode equalizer
- Voice recording
- 32/64MB built-flash memory
- Memory expansion slot
- Remote Controller with backlight LCD
- Data transfer with USB
- FM Tuner

SAMSUNG DIGITAL  
AUDIO PLAYER



User's Guide  
YP-NDU

SAMSUNG

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## Features

# DIGITAL SOUND - yepp'

CD-quality sound.

### What is MP3?

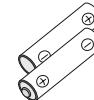
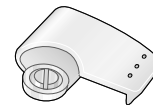
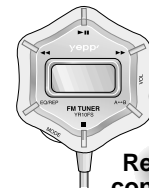
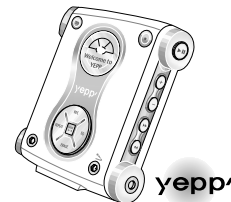
MP3 refers to MPEG1 LAYER3. MP3 is a music file made of audio data compression technology with no degradation of the original sound.

### What is yepp'?

"yepp'" is an advanced digital audio player which doesn't need a cassette tape or CD. You can download MP3 files from the Internet or PC Communications and enjoy great sound any time, any place.

## Checking Parts

Digital Sound - yepp'



Earphone

USB cable

Installation software CD

AAA alkaline batteries(1.5V)

User's Guide

◆ SmartMedia Card is not included.

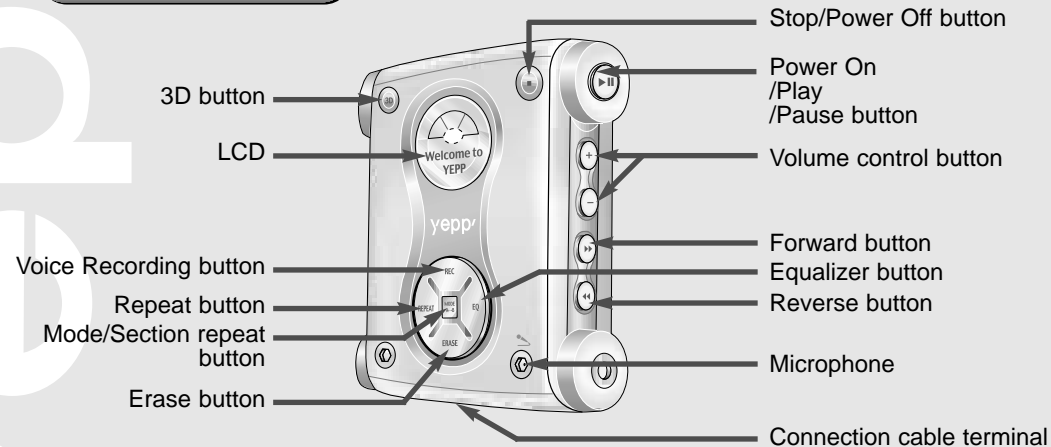
# Parts Description

Digital Sound - yepp'

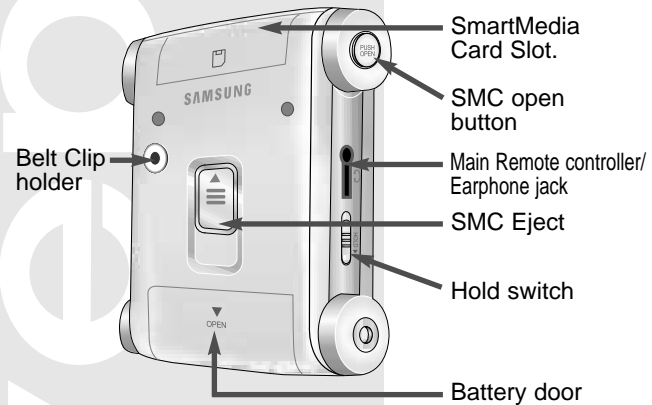


## Main System

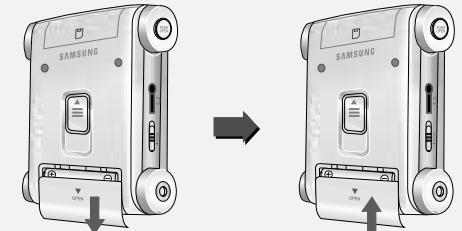
### Front Panel



### Rear Panel



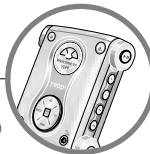
### Battery Installation



- 1 Remove the battery door by pushing on the thumb recess in the direction of the arrow.
- 2 Insert the batteries; paying attention to the orientation of the + and - ends of the batteries. Replace the battery door.

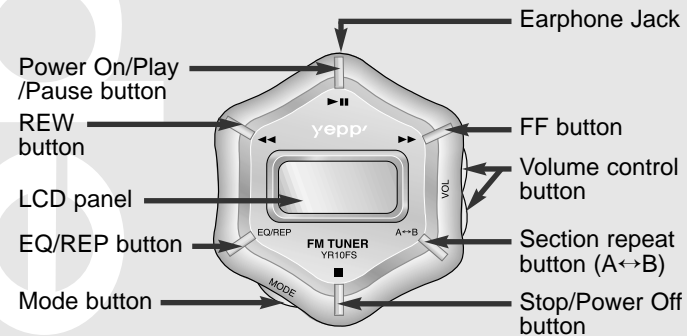
# Remote Controller

Digital Sound - yepp'

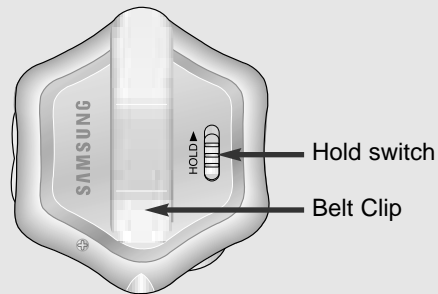


## Remote Controller

### Front Panel



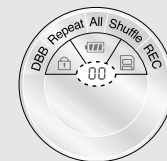
### Rear Panel



### Display Panel

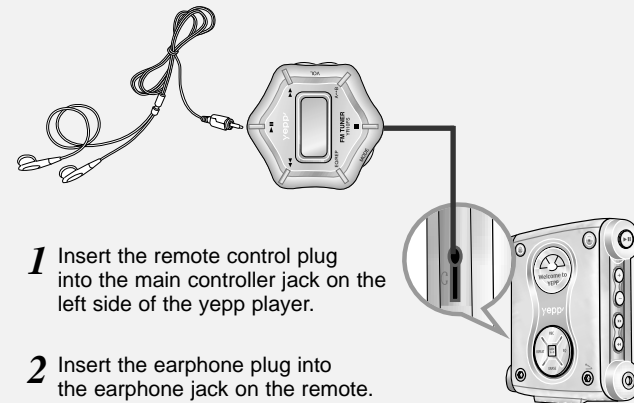


Remote controller



Main System

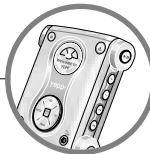
### Remote Controller Connection



# Listening to music through yepp'™

Insert batteries into the battery compartment, and then connect the remote controller and earphones correctly.

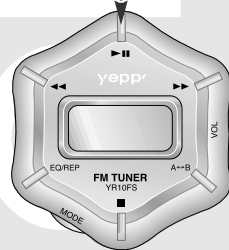
Digital Sound - yepp'



## Basic Functions

### Turn on the Power

Power On/Play/Pause button



- 1 Press the button on the yepp player or remote controller.



in one second.



in one second.



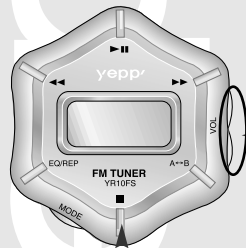
### Playback

- 1 Press the button on the yepp player or the remote controller.



**Note** To pause playback, press the button. The mark blinks on the remote controller display panel. Press the button again to resume playback.

Volume control button



Stop button

### Control Volume

- 1 Control volume with the volume control button ( / ) on your yepp player or remote controller.



**Note** Volume can be controlled from 00 to 20. Press to move up or down by 1 step. Press and hold to move continuously.

### Stop Music

- 1 Press the Stop button () of your yepp player or remote controller to stop playing back sound.



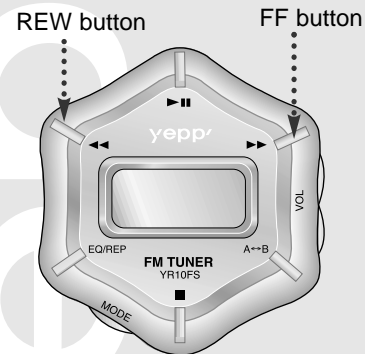
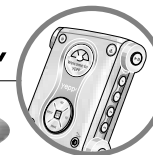
**Note** If the unit is in the Stop mode for more than 3 minutes, it will power off automatically.

# Searching the MP3 files at a faster speed

Press the ►► and ◀◀ buttons to move to the next track.

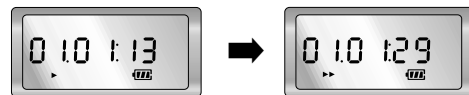
Digital Sound - yepp'

## Basic Functions



### 1 To search within a song being played back:

- Press and hold the FF button (►►) while a song is being played back to fast forward. Release the button to resume playback.



**Note** Press and hold the REW button while a song is being played back to move quickly backward.

### 2 To skip to the next song while another song is being played back:

- Press the FF button (►►) to move one track forward.



**Note** If the REW button is pressed before the first 5 seconds of the track has played, the previous song will be repeated.  
If the REW button is pressed after 5 seconds has played, the current song will be repeated.

### 3 To search a song in stop mode:

- Press the FF button (►►) to move one track forward. To play back the song that you chose, press the Play button (▶).
- Press the REW button (◀◀) to move one track backward.




# Repeating Tracks/Section

Digital Sound - yepp'

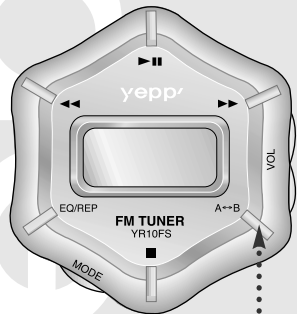


Press the A↔B button of your remote controller to repeat the track or section that you selected. Setting 'Repeat Track' needs a minimum of two seconds of play time.

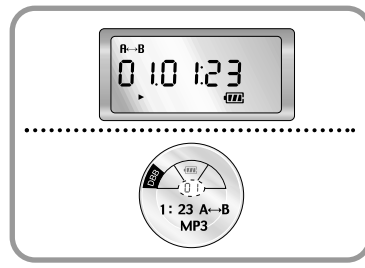
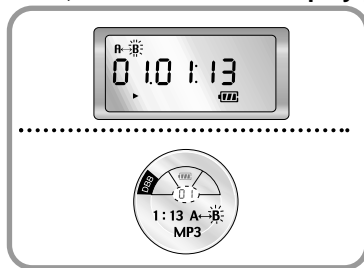
## Section Repeat

- 1 Press the A↔B button (  ) of your remote control at the start point of the track or section that you want to repeat. Then, 'B' blinks on the display panel.

- 2 Press the button again at the end point of the track or section that you want to repeat.



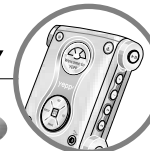
Section repeat button




**Note** The section from point A to point B that you selected will automatically be repeated. To cancel this function, press the A↔B button again. While tracks/sections are repeated, the ►► and ◀◀ buttons do not work.

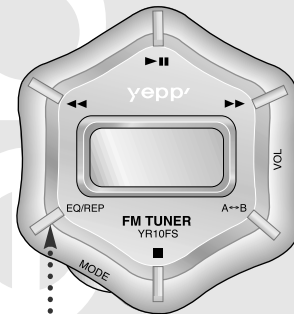
# Setting the Modes

Digital Sound - yepp'

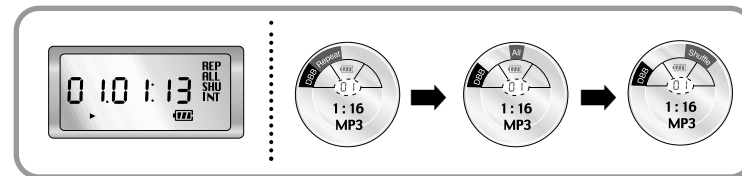


## Mode Setting

- 1 Each time the EQ/REP button (  ) of your remote controller is pressed and held, the modes will change in the order of **REP**, **ALL**, **SHU** and **INT**.



EQ/REP button

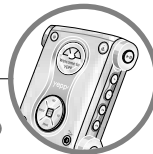


- ◆ REP mode: Repeats current track.
- ◆ ALL mode: Repeats all the tracks.
- ◆ SHU mode: Enables random playback.
- ◆ INT mode: Enables you to repeat the first 10 seconds of the tracks saved.




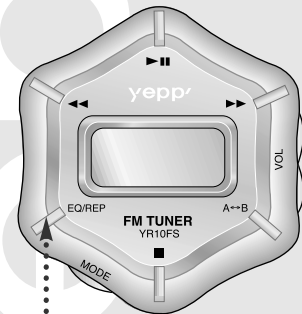
# Using the Equalizer

Digital Sound - yepp'

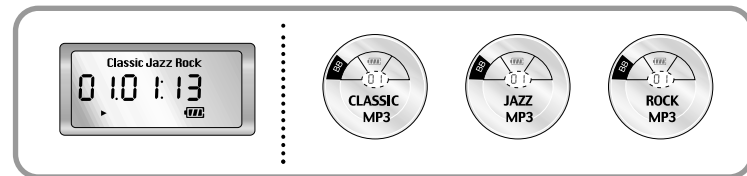


## Equalizer Function

- 1 Each time the EQ/REP button (  ) of your remote controller is pressed, the equalizer modes will be changed in the order of **Classic, Jazz, Rock** and **Normal**. Normal mode is not indicated on the panel.

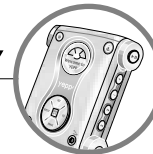


Equalizer button




# Using the 3D Sound

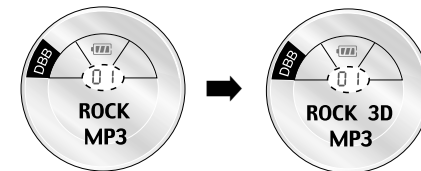
Digital Sound - yepp'




3D button



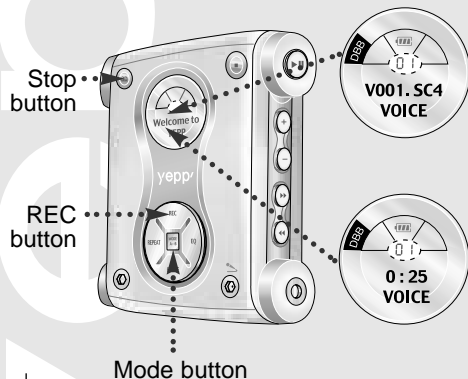
- 1 Press the 3D button (  ) to add the Surround 3D sound effect to four different modes (**NORMAL, CLASSIC, JAZZ, ROCK**). The surround 3D sound is available only in the MP3 mode.



◆ Press the 3D button (  ) again to cancel the 3D mode.



## Recording voice messages



**1** Press the Mode button (MODE) on the main unit to switch to the voice mode.

- Voice Mode can only be activated in the stop mode.

**2** Press the REC button (REC), and the voice message will be recorded through the microphone.

- Press the Stop button (STOP) to stop recording. If you repeat this operation, the voice messages will be recorded in the sequence of V001, V002....V00N.

### Note

- This feature allows you to easily record lectures, interviews and conference messages, etc.
- The player will automatically stop recording when the memory becomes full.
- The voice messages are recorded on the built-in memory. If the memory capacity is low, they will be recorded on the Smart Media Card (in the sequence of V001,V002....V00N).
- Be careful not to press the Erase button because the erasing function may run.
- Voice recording is made only on the main system.

## Playing recorded voice messages

**1** Use the FF (FF) and REW buttons (REW) to select the message (V001, V002...) you prefer.

**2** Press the (PLAY) button to playback the selected message. You can pause the track by pressing the (PAUSE) button once again.

- Press the (PLAY) button again to resume playback.

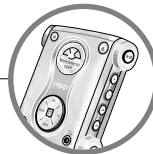
### Note

- When you press the (PLAY) button without selecting V001, V002...V00n, you will hear the recorded message that coincides with the number currently shown on the LCD panel.
- Press the FF (FF) or REW button (REW) during playback to move forward or in reverse at a faster speed.



# Voice Recording

Digital Sound - yepp'



## Erasing recorded voice messages

**1** Use the FF(⏮) and REW(⏪) buttons (⏮) to select the message (V001, V002...) you want to erase.

**2** Press the Erase button (⏮) for at least 1 second and the message "Erase?" will appear on the LCD panel. Then press the (⏮) button to erase the selected message.



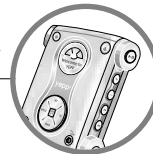
### Note

- To cancel the erasing function, press the (⏮) button.
- After the selected message is erased, player will show the next message number.



# Hold Function

Digital Sound - yepp'



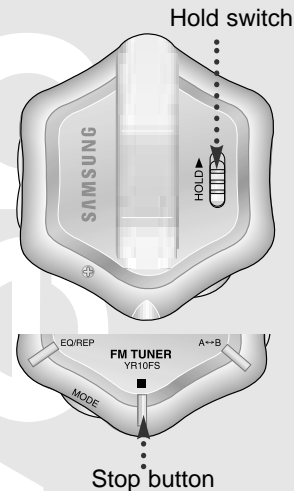
**1** While the Hold switch (HOLD) on your yepp' player is on;

- Buttons on the yepp' won't work. Each time a button is pressed, "Hold" will appear for a short time on the display. Only the buttons on your remote controller will work.



**2** While the Hold switch (HOLD) on your remote controller is on;

- The (HOLD) mark will appear on the display panel. None of the buttons on your remote control will work. The buttons on your yepp' will work.



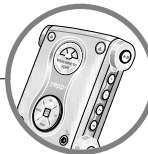
## Turning off the power.

- Press and hold Stop(⏮) for 1 second while all functions have been stopped. Then, "OFF" will appear on your panel, and then be cleared.



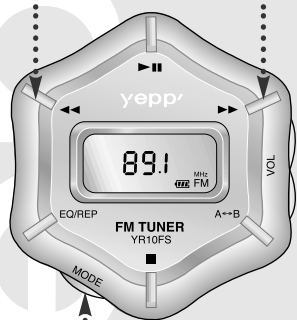
# Listening to FM Radio

Digital Sound - yepp'



## FM Radio

Rewind button Forward button



Mode button

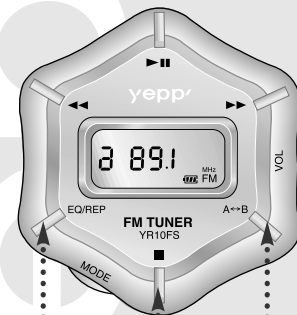
### To Search the FM Frequency Band

- 1 Press the Mode button to switch to FM mode.
- 2 Press and hold either REW or FF. The unit will automatically search from station to station(Auto Search).
- 3 To search manually in one step increments, press and release either REW or FF.

**Note**

- In the FM mode, the LCD panel backlight is not turned on.
- In the FM mode, the screen display does not appear in the main system.
- Once the power is turned off, initialization will be made in the mp3 mode. To set to FM mode, press the Mode button again.

**Warning** ● When in the FM mode, do not attempt Format, Delete or Download.



EQ/REP button

Stop button

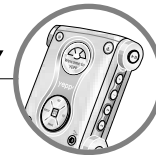
A↔B button

### To Save a Radio Station

- 1 At the radio station frequency that you want to save, press the EQ/REP button.
- 2 A saving location letter (a, b, c, d, e) blinks in front of the radio station that the screen display shows. Press the A↔B button to choose one saving location. Then, press the EQ/REP button once more to save.
  - The saving location letters (a, b, c, d, e) blink each time the A↔B button is pressed.
  - Once a radio station is saved, you can move directly to the saved location by clicking on the the A↔B button.

**Note**

- Max. five stations (a, b, c, d, e) can be saved.
- You can replace one station with another at each saving location. But it is not possible to delete a saved station.
- Press the Stop button for a moment to turn off the system.



## Minimum PC System Requirements

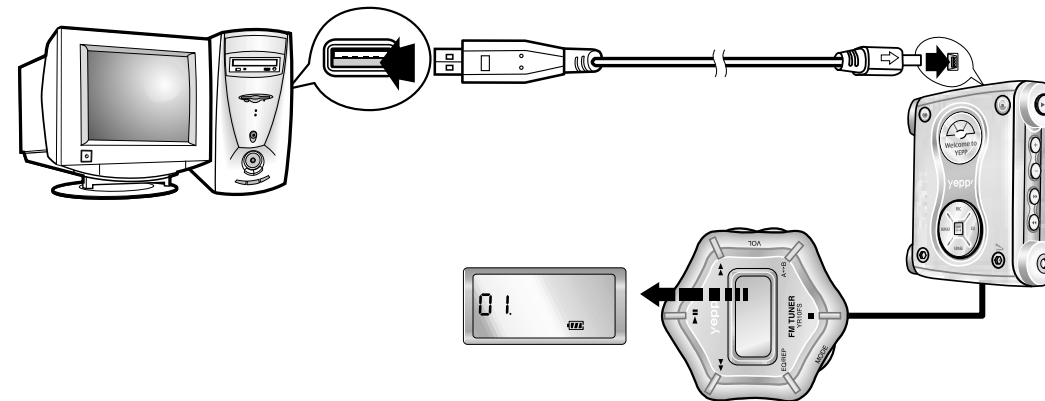
- Pentium 133 MHz
- Windows 98/2000
- Mac OS 7.0
- 20 MB Free Disk Space
- CD-ROM Drive  
(Optimum: 8 X and more)
- Built-in USB Port

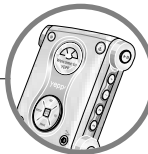
**1** Connect the USB cable to the USB port of the computer.

**2** Turn the player on and connect the other end of the cable to the download connector.

### Note

- Be sure to install the yepp'™ Explorer before connecting your yepp'™ to your PC or Mac. When the message "Add new hardware wizard" appears on the screen, click [Cancel] and then install the yepp'™ Explorer.
- If the USB driver is not installed automatically, refer to page 29(PC only).





## Yepp Explorer

*Insert the Installation CD into the CD-ROM drive. The picture to the right appears when inserting the CD.*

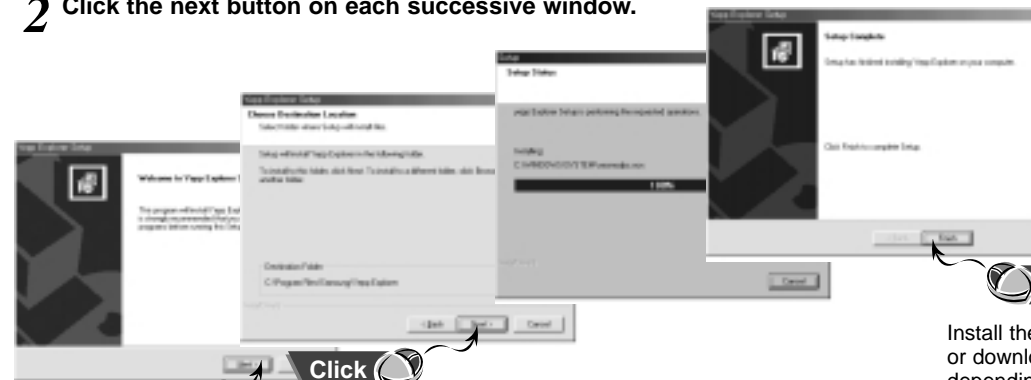
This software lets you listen to MP3 music on your computer digitally and enables you to encode your CDs into MP3 Files.



**1** Click.

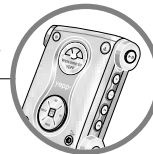
Click

**2** Click the next button on each successive window.



Click

Install the other program or download files depending on your requirements.



## Realjukebox

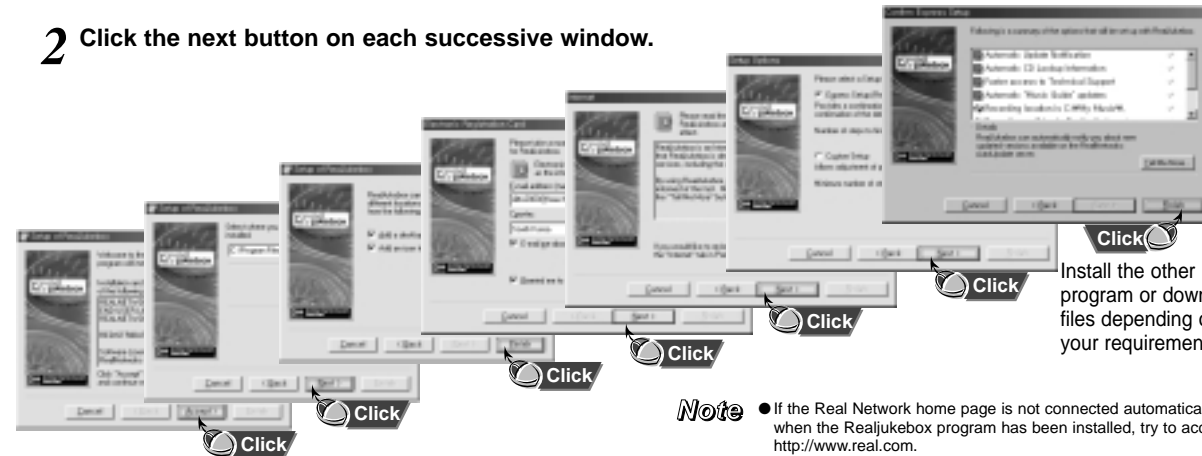
Insert the Installation CD into the CD-ROM drive. The picture to the right appears when inserting the CD.



1 Click.

Click

2 Click the next button on each successive window.



Click

Install the other program or download files depending on your requirements.

**Note** • If the Real Network home page is not connected automatically when the Realjukebox program has been installed, try to access <http://www.real.com>.



*If a USB port error occurs  
after installing the yepp  
explorer in Windows 2000,  
do the following steps 1~3.*

**1** Copy the secypusb. sys file from the installation CD.



**2** Paste the secypusb. sys into 'Drivers' from the system32 folder in Windows 2000(System Root Directory)(ex: / WinNT/ system/Drivers)

**3** Re-boot the computer.

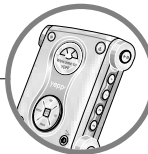
#### **WARNING**

- Even though the secypub. sys file is present in the existing folder, be sure to run Change File.

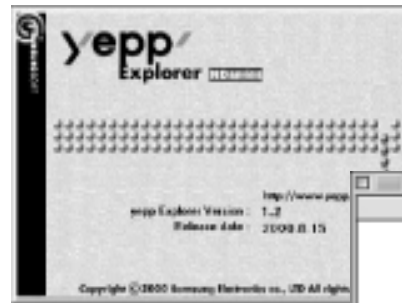


# Installing Software on Mac

Digital Sound - yepp'



Insert the Installation CD into the CD-ROM drive. The picture to the right appears when inserting the CD.



## 1 Execute the yepp'™ Explorer.

- Double-click the yepp'™ Explorer icon.



## 2 Click the button on each successive window.



### ▼ yepp'™ Explorer Folder



Double Click  
Execute the yepp'™ Explorer.

Click

After all installations are complete, the yepp explorer folder is created.

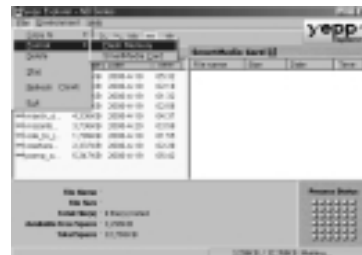


## Yepp Explorer

- 1 Execute the yepp'™ Explorer.
  - Double-click the yepp'™ Explorer icon on the desktop.



- 2 Click [File], [Format] and select [Flash Memory].

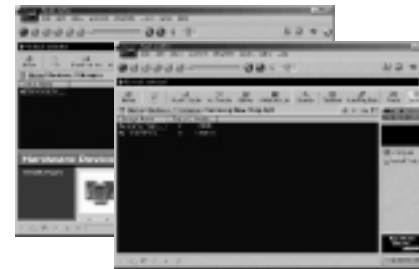


- Note**
- Before formatting the flash memory or the SmartMedia Card, connect your yepp'™ to PC and click **Refresh icon** on the yepp'™ Explorer.
  - If the optional SmartMedia Card is installed in the yepp'™, file(s) can also be saved to the card by clicking **Copy to** and selecting **SmartMedia Card**.
  - You can also format the flash memory or the SmartMedia Card by pressing the right button on the mouse and selecting **Format**.

**WARNING** ● Formatting Flash memory(or Smart Media Card) will delete all existing files.

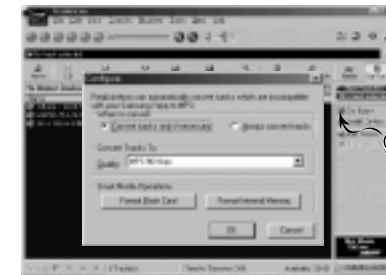
## Realjukebox

- 1 Connect your yepp'™ to PC and execute the RealJukebox.



- 2 Click/Double-Click through the following items. Devices -->Samsung Ne....

- 3 Click Configure icon and Select Format\_Flash\_Card/Format\_Internal\_Memory.



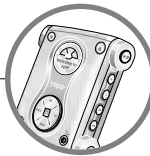
Click

- Note**
- Before formatting the flash(SmartMedia) Card or the Internal (flash) memory, press F5 Key to refresh.  
(Or click View→Refresh in the Main menu)

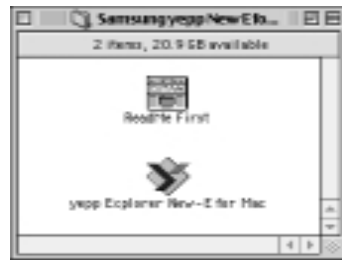
**WARNING** ● Formatting Flash memory(or Smart Media Card) will delete all existing files.

# Formatting flash memory(Mac)

Digital Sound - yepp'



- 1 Execute the yepp'™ Explorer.
  - Double-click the yepp'™ Explorer icon in the HDD.



- 2 Click [File], [Format] and select [Flash Memory].

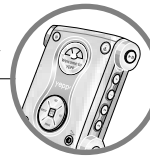


**Note** ● Before formatting the flash memory or the SmartMedia Card, connect your yepp'™ to PC and click **Refresh icon** on the yepp'™ Explorer.  
● If the optional SmartMedia Card is installed in the yepp'™, file(s) can also be saved to the card by clicking **Copy to** and selecting **SmartMedia Card**.

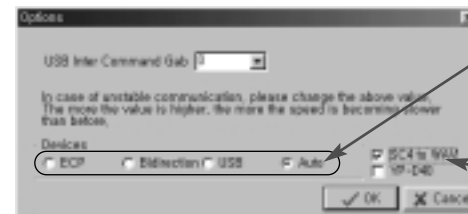
**WARNING** ● Formatting Flash memory(or Smart Media Card) will delete all existing files.

# Options

Digital Sound - yepp'



## On PC(yepp Explorer)



- **Auto**  
The device has been initially set "Auto".
  - **USB**  
When the communication is not smooth in Auto, Select USB.
- Select when uploading the SC4 file on the form of the WAV file.

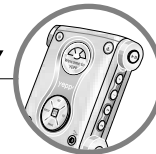
### WARNING

**Install the USB driver in the following sequence:**  
"Select USB (setting option)"-> "Turn on the yepp'"-> "Connect a cable to the PC".  
Then the message 'looking for a new device' appears and simultaneously the USB driver is installed.  
If the USB driver is not installed, even though you follow the above instructions, contact your PC manufacturer or service center.

### Uploading Voice (Click [File], [Copy to] and select [PC].)



When a voice file is transmitted to another person by E-mail, receiver should install the mi-sc4.acm file at c://windows//system to execute the file. The mi-sc4.acm file can be downloaded from [www.samsungyepp.com](http://www.samsungyepp.com).

**Note** ● If yepp Explorer is installed in your PC, mi-sc4.acm will automatically be installed in c://windows//system.

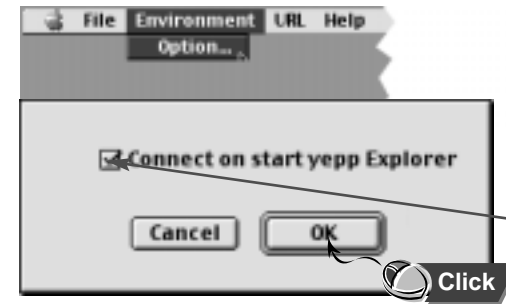


## On PC(RealJukebox)

### Installation of the USB Driver

- 1 After installing RealJukebox, connect the yepp to the PC.
- 2 Execute RealJukebox.
- 3 Click on Devices icon on RealJukebox screen.  

- 4 Select Install Device.
- 5 Follow the on-screen instructions for RealJukebox.  


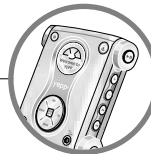
## On Mac



Check the Explorer is accessed.  
Access is allowed only when Explorer is selected.  
If Explorer is not selected, select Explorer and click on the OK button.

# Sending files to yepp'™ (PC)

Digital Sound - yepp'



Before sending files to your yepp'™, connect the yepp'™ to your PC and execute the yepp'™ Explorer.

## yepp Explorer

Before sending files to your yepp'™, connect the yepp'™ to PC and click **Refresh** icon on the yepp'™ Explorer.

### WARNING

- Execute file transfer in the MP3 mode only.  
If it is executed in FM mode, errors may take place.

### 1 Execute the yepp'™ Explorer

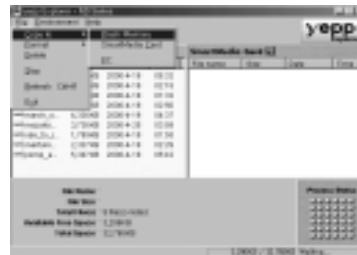
- Double-click the yepp'™ Explorer icon on the desktop.



### 2 Turn on the yepp'™ by pressing .

### 3 Click the Refresh icon on the yepp'™ Explorer.

### 4 Click [Copy to] and [Flash Memory] or [SmartMedia Card].



### 5 Select the file you would like to send to your yepp'™.



### 6 Click [Open].

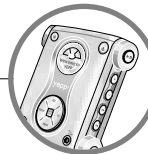
The selected file has been saved. Now you can listen to music with yepp'™ after removing the USB cable.



**Note** • The yepp'™ uses around 1MB of memory for each minute of music.

# Sending files to yepp'™ (PC)

Digital Sound - yepp'



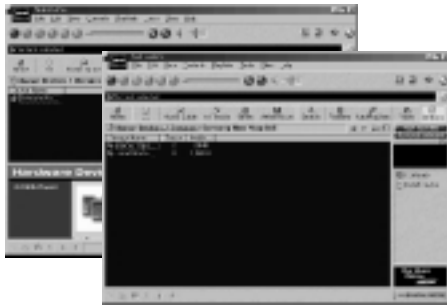
Before sending files to your yepp'™, connect the yepp'™ to PC and execute the RealJukebox.

## Realjukebox

### 1 Execute RealJukebox.

- Double-click the RealJukebox icon on the desktop.

### 2 Turn on the yepp'™ by pressing .



### 3 Click/Double-Click through the following items.

Devices----> Samsung Ne....

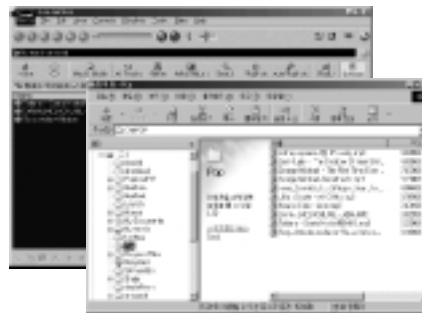
### 4 Press F5 Key to refresh.

### 5 Click Internal Yepp'.../Smart Media...

#### WARNING

- Execute file transfer in the MP3 mode only.  
If it is executed in FM mode, errors may take place.

### 6 Drag your selected file from your folder and drop into Yepp'.../Smart Media... window.

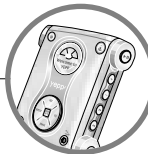


### 7 Click the Begin Transfer icon, at the left side of the RealJukebox window.



# Sending files to yepp'™ (Mac)

Digital Sound - yepp'



Before sending files to your yepp'™, connect the yepp'™ to your Mac and click **Refresh ([file])** on the yepp'™ Explorer.

## Note

- Music Match Jukebox is used for the Mac.
- You can download this software (free version) from internet sites. (<http://www.musicmatch.com>)

## 1 Execute the yepp'™ Explorer

- Double-click the yepp'™ Explorer icon in the HDD.



## 2 Turn on the yepp'™ by pressing .

## 3 Click the [file] [Refresh] on the yepp'™ Explorer.

## 4 Click [Copy to] and [Flash Memory] or [SmartMedia Card].



## 5 Select the file you would like to send to your yepp'™.



## 6 Click [Open].

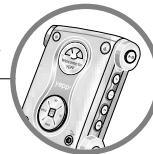
The selected file has been saved. Now you can listen to music with yepp'™ after removing the USB cable.



**Note** • The yepp'™ uses around 1MB of memory for each minute of music.

# Making MP3 files from an audio CD

Digital Sound - yepp'



You must install RealJukebox on your computer (PC only) before making MP3 files.  
For software installation instructions, please refer to page 27.

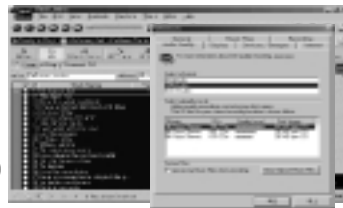
## 1 Execute RealJukebox™.

- Double-click the RealJukebox icon on the desktop.



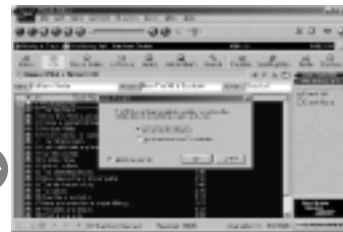
**Note** RealJukebox is a music management system provided by RealNetwork.

## 2 Set up environment for making MP3 files from an audio CD.



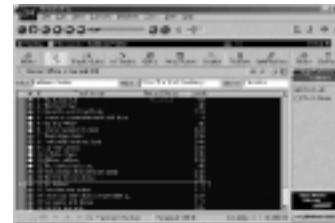
1. Click "Tools" and "Preferences" from the main menu.
2. Click the tab "Audio Quality".
3. Select "MP3 Audio" and 'Quality level' you would like to record at.
4. If the MP3 files will be played on more than one computer, make sure "Secure my" is not checked.
5. Select "I accept..." in the POP-UP Window.
6. Click "OK".

## 3 Insert an audio CD into the CD-ROM drive.

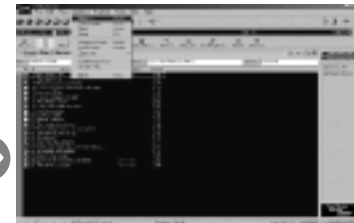


- The CD information and Auto-Record Message is displayed.  
(If the CD already recorded, Auto-Record Message is not displayed)
- If you select "Yes....", all tracks are recorded.  
(If you want to select the track you would like to convert into an MP3 file, Select "No.....", and follow next step)

## 4 Select the track you would like to convert into an MP3 file.



## 5 Click "Controls" and "Record Ctrl+R".



## 6 Recording status is displayed.



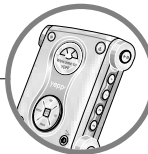
Now you can listen to music on your yepp'™ after sending files to it.  
For sending files, refer to page 41.

For further details on RealJukebox, see Help.



# Deleting files

Digital Sound - yepp'



Connect your yepp'™ to your PC and execute the yepp'™ Explorer before deleting.

## On PC (yepp Explorer)

- 1 Click the file you would like to delete.
- 2 Click [File] and select [Delete].



**Note** • You can also delete the file by pressing the right button on the mouse and selecting **Delete**.

## On PC (RealJukebox)

- 1 Click/Double-Click through the following items. Devices Samsung Ne....->Internal Yepp.../Smart Media...
- 2 Click the file you would like to delete.
- 3 Click [Edit] and select [Delete].



### Note

- You can also delete the file by pressing the right button on the mouse and selecting **Delete**.

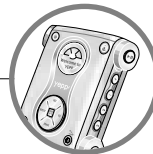
## On Mac

- 1 Click the file you would like to delete.
- 2 Click [File] and select [Delete].



# File Replace

Digital Sound - yepp'



## On PC

**1** Click the file that you want to replace.



**2** Drag the file to destination.

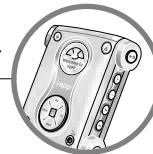


**Note** • File replacement can be made with the Smart Media card in the same manner.

**WARNING** • File replacement is not made between flash memory(built-in memory) and the Smart Media card (armoured memory), because they are not compatible with SDMI(Secure Digital Music Initiative).  
• File Replacement is not possible on the MAC.

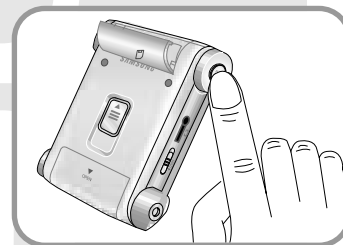
# SmartMedia Card

Digital Sound - yepp'

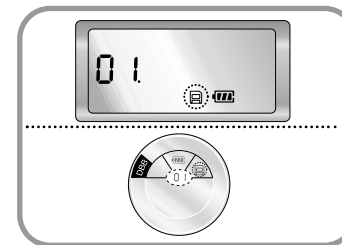


Your yepp' player allows you to save and enjoy many more MP3 files by adding a SmartMedia Card. 8MB, 16MB, 32MB or 64MB (3.3V) SmartMedia Cards can be used.

**1** Press the push open button (PUSH OPEN) to open the SmartMedia Card Slot.

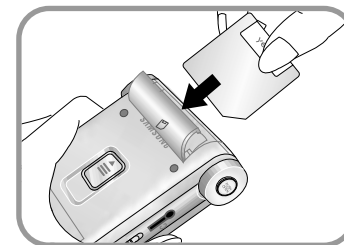


**2** Insert the the card into slot of your player. Verify that the Card's mark is displayed on your panel.



To send files to the Card, you must format the card before using it ; refer to page 33.

**3** Push down the eject button (EJECT) in the direction of the arrow to take out the Card from the slot.

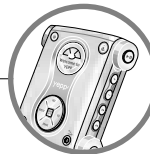


## WARNING

Do not insert/eject the SmartMedia card during playback of MP3 files. The player may not recognize the card or work properly. Always turn the player off before inserting or ejecting the Card.

# Safety Precautions

Digital Sound - yepp'



**Do not drop your player or leave it under heavy objects.**

**Do not allow any liquids to contact the player.**

- If this happens, wipe the player with a dry cloth and call a Samsung Electronics service center.

**Avoid areas of high humidity, strong magnetic fields, or sources of heat when storing your player.**

**Do not use thinner, alcohol, or benzene when cleaning the player.**  
It may damage the player.

# Troubleshooting

Digital Sound - yepp'



**The player does not work or nothing is displayed on the Remote control LCD.**

- Check the capacity of the batteries.  
Two 1.5V AAA size batteries are required.
- Check the polarity(+ and -) of the batteries.

**The buttons are not working.**

- Check if the Hold Switch is down. While the Hold Switch is down, the buttons do not work.

**There is no audio produced when the ► button is pressed in MP3 mode.**

- Check that MP3 files are stored in the built-in memory or the SmartMedia Card.

**MP3 files cannot be downloaded.**

- Check and/or replace the batteries.
- Check the connection between the USB port of your PC and the USB cable.

**SmartMedia Card cannot be inserted into the player.**

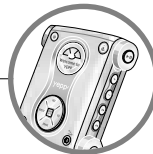
- Make sure you are using the correct SmartMedia Card.  
Only 3.3V version cards will work in your yepp'™.  
5V version Cards will not function correctly.

**The files on the SmartMedia Card cannot be recognized.**

- MP3 files downloaded to another media card from a different MP3 manufacturer may not work in your yepp'™.
- Format the SmartMedia Card and copy files again with the yepp'™ Explorer.

# Security

Digital Sound - yepp'



*You can get legal MP3 files from a growing number of Internet sites. Here are some sites which provide MP3 files.*

## What is SecuMax?

With the increasing amount of digital multimedia content, the content providers became concerned with the ease in which the content could be copied and distributed in violation of their copyrights. This matter required the a system called SecuMAX for protecting copyrighted music and for using legal content conveniently.

- ◆ SecuMAX protects the copyrighted music against infringement.
- ◆ SecuMAX can be adapted to various types of digital contents.

For further details on SecuMAX, please visit [www.samsungyepp.com](http://www.samsungyepp.com)

**Note** • To listen to MP3 files encoded with SecuMAX, you must download the key file from the internet and register it on the yepp'™ Explorer.

## Internet Site

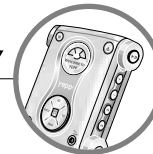
- [www.cddb.com](http://www.cddb.com)

- RealJukebox™ is either a registered trademark or trademark of Real Networks Inc. in the United States and/or other countries.
- Music CD-related data is provided through the Internet from the CDDb™ Music CD Database.
- Copyright© 1998 CDDb Inc. All rights reserved.

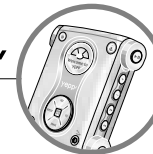


# Technical Specifications

Digital Sound - yepp'



<b>Model</b>	YP-NDU
<b>Processor</b>	12MHz, 16bit CISC
<b>Memory Capacity</b>	Built-in Memory 32/64MB
<b>Power</b>	3V
<b>Battery</b>	Two AAA-size/ 8-hr or longer playing time (with alkaline batteries)
<b>Dimensions (WxHxD)</b>	70x88x21mm(2.75"x3.46"x0.83") / 76g(2.68 Oz; without batteries)
<b>Case</b>	Plastic/Aluminum
<b>File Transmission Speed</b>	1.5Mbps, minimum
<b>Memory slot</b>	SmartMedia Card slot
<b>Noise Ratio</b>	85dB
<b>Earphone Output Power</b>	7mW
<b>Output Frequency Range</b>	20Hz-20KHz
<b>FM frequency</b>	87.5~108MHz



FCC Part 15: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, this notice is not a guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician.

## Modifications

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the device.

## Compliance

This product conforms to the following Council Directive:

- Directive 89/336/EEC, 92/31/EEC(EMC)

## Declaration of Conformity

Name: Samsung Electronics Co., Ltd

Address: 416, Maetan-3Dong, Paldal-Gu, Suwon City, Kyungki-Do, Korea 442-742

declares under its sole responsibility that the product

Trade Name: Samsung Electronics Co., Ltd

Model Number: YP-NDU

has been tested according to the FCC/CISPR22/95 requirements for Class B devices and found compliant with the following standards

EMI/EMC: AnSI C63.4 1992, FCC Part 15 Subpart B

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesirable operation.

## Party Responsible for Product Compliance

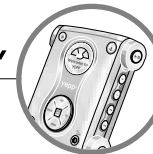
Samsung Electronics America

QA Lab.

85 West Tasman Dr.

San Jose, CA 95134

Tel : 408-544-5124



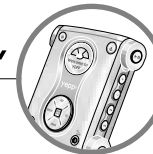
**Samsung warrants this product as free of defects in material, design and workmanship for the period of twelve(12) months from the original date of purchase.**

**If during the period of warranty this product proves defective under normal use and service, you should return the product to the retailer from whom it was originally purchased. The liability of Samsung and its appointed maintenance company is limited to the cost of repair and/or replacement of the unit under warranty. Return of the product for defective reasons should be to the original purchaser, however Samsung Authorized Dealers and Authorized Service Centers will comply with the warranty on the terms issued to purchasers in the country concerned, for further information relating to the Authorized Service Centers contact.**

**1-800-SAMSUNG (1-800-726-7864)  
www.samsungyepp.com**

## WARRANTY CONDITIONS:

1. The warranty is only valid when the warranty card is properly completed, and upon presentation of the proof of purchase consisting of original invoice or sales slip confirmation, indicating the date of purchase, dealers name, model, serial No. and product number. Samsung reserves the right to refuse warranty service if this information has been removed or changed after the original purchase of the product from the dealer.
2. Samsung's obligations are to the repair of the defective part, and at its discretion, replacement of the product (service exchange unit).
3. Warranty repairs must be carried out by an Authorized Samsung Dealer/Service Center. No reimbursement will be made for repairs carried out by non Samsung Centers, and warranty coverage will not be valid for any repairs or damage caused by such repairs.
4. Repair or replacement under the terms of this warranty does not give right to extension to or a new starting of the period of warranty. Repair or direct replacement under the terms of this warranty may be fulfilled with functionally equivalent service exchange units.
5. The warranty is not applicable in cases other than defects in material, design and workmanship. The warranty does not cover the following:
  - ◆ Periodic checks, maintenance, repair and replacement of parts due to normal wear and tear.
  - ◆ Abuse or misuse, including but not solely limited to the failure to use this product for its normal purposed or in accordance with Samsung's instructions usage and maintenance.
  - ◆ Failure of the product arising from incorrect installation or use not consistent with technical or safety standards in current force, or failure to comply with product manual instructions.
- ◆ Accidents, Acts of God or any cause beyond the control of Samsung caused by lightning, water, fire, public disturbances and improper ventilation.
- ◆ Unauthorized modifications carried out for the product to comply with local or national technical standards in countries for which the Samsung product was not originally designed.
- ◆ Repairs performed by non-authorized service centers such as opening of the product by a non-authorized person.
- ◆ The model, serial No. and product number on the product has been altered, deleted, removed or made illegible.
6. This warranty does not affect the consumers statutory rights nor the consumers rights against the dealer from their purchase/sales agreement.



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To obtain warranty service, please contact SAMSUNG at:  
SAMSUNG ELECTRONICS AMERICA, INC. - COMPUTER  
PRODUCTS CUSTOMER SERVICE  
1 SAMSUNG PLACE, LEDGEWOOD, NJ 07852  
Tel: 973-691-6200, Fax: 973-691-6201  
1-800-SAMSUNG (1-800-726-7864)  
[www.samsungyepp.com](http://www.samsungyepp.com)  
081299